

THAT WHICH IS CLAIMED IS:

1. A method of displaying information from a handheld electronic device on a video screen remote from the handheld electronic device, the method comprising:
5 receiving information from the handheld electronic device over a wireless coupling;
responsive to receiving the information from the handheld electronic device, generating a video signal corresponding to the information from the handheld electronic device; and
10 providing the generated video signal to the video screen for display of the information on the video screen.
2. A method according to Claim 1 wherein the information from the handheld electronic device comprises at least one selected from the group consisting of an e-
15 mail received by the handheld electronic device, a game screen for a game being played on the handheld electronic device, an internet page received by the handheld electronic device, a photograph, and a video clip.
3. A method according to Claim 1 wherein receiving the information from the
20 handheld electronic device comprises receiving the information according to a Bluetooth wireless protocol.
4. A method according to Claim 1 wherein the video signal further comprises at least one selected from the group consisting of a horizontal line sync pulse, a color
25 reference burst, a reference black level, picture luminance information, color saturation information, color hue information, and a vertical sync pulse.
5. A method according to Claim 1 wherein the handheld electronic device comprises a radiotelephone.
30
6. A method according to Claim 1 wherein the handheld electronic device comprises a personal digital assistant.

7. A method according to Claim 1:

wherein receiving information from the handheld electronic device is preceded by determining if information is being received from the handheld electronic device;

5 wherein the operations of receiving the information from the handheld electronic device, generating the video signal, and providing the video signal to the video screen are performed responsive to determining that information is being transmitted from the handheld electronic device; and

10 wherein the method further comprises providing an alternate video to the video screen responsive to determining that information is not being transmitted from the handheld electronic device.

8. A method according to Claim 1 wherein the video screen comprises a television.

15

9. A method according to Claim 1 wherein the handheld electronic device includes a local display mounted in a housing of the handheld electronic device and wherein the local display is small relative to the remote video screen.

20

10. A method according to Claim 13 further comprising:

showing the information on the local display of the handheld electronic device concurrently with showing the information on the remote video screen.

11. A video signal generator comprising:

25

a receiver configured to receive information from a handheld electronic device over a wireless coupling;

a processor configured to generate a video signal corresponding to the information from the handheld electronic device responsive to receiving the information from the handheld electronic device; and

30

a video output configured to provide the video signal to a video screen for display on the video screen.

12. A video signal generator according to Claim 11 wherein the receiver is configured to receive the information according to a Bluetooth wireless protocol.

13. A video signal generator according to Claim 11 wherein the video signal further comprises at least one signal selected from the group consisting of a horizontal line sync pulse, a color reference burst, a reference black level, picture luminance
5 information, color saturation information, color hue information, and a vertical sync pulse.

14. A video signal generator according to Claim 11 wherein the handheld electronic device comprises at least one of a radiotelephone and a personal digital
10 assistant.

15. A video signal generator according to Claim 11 wherein the video output is further configured to provide an alternate video signal to the video screen if information is not being received from the handheld electronic device.

16. A method of displaying information from a handheld electronic device on a video screen remote from the handheld electronic device, the method comprising:
generating information within the handheld electronic device wherein the generated information is adapted for display on a local display of the handheld
20 electronic device; and

transmitting the generated information from the handheld electronic device over a wireless coupling to a receiver for display on the remote video screen remote.

17. A method according to Claim 16 further comprising:
25 displaying the information on the local display of the handheld electronic device concurrently with transmitting the information from the handheld electronic device over the wireless coupling.

18. A method according to Claim 26:
30 wherein transmitting the information is preceded by determining at the handheld electronic device that the receiver is within a transmission range of the handheld electronic device wherein transmitting the information is performed responsive to a determination that the receiver is within range; and

displaying the information on the display of the handheld electronic device responsive to a determination that no receiver is within range of the handheld electronic device.

5 19. A method according to Claim 16 wherein the information from the handheld electronic device comprises at least one selected from the group consisting of an e-mail received by the handheld electronic device, a game screen for a game being played on the handheld electronic device, an internet page received by the handheld electronic device, a photograph, and a video clip.

10

20. A method according to Claim 16 wherein transmitting the information from the handheld electronic device comprises transmitting the information according to a Bluetooth wireless protocol.

15 21. A method according to Claim 16 wherein the handheld electronic device comprises at least one selected from the group consisting of a radiotelephone and a personal digital assistant.

20 22. A method according to Claim 16 wherein the video screen comprises a television.

23. A method according to Claim 16 wherein the display of the handheld electronic device is small relative to the video screen.

25 24. A handheld electronic device comprising:
a local display mounted on a housing of the display;
a processor coupled to the display wherein the processor is configured to generate information within the handheld electronic device wherein the information is adapted for display on the local display of the handheld electronic device; and
30 a transceiver coupled to the processor wherein the transceiver is configured to transmit the generated information from the handheld electronic device over a wireless coupling to a receiver for display on a video screen remote from the handheld electronic device.

25. A handheld electronic device according to Claim 24 wherein the information is shown on the local display of the handheld electronic device concurrently with transmitting the information from the handheld electronic device over the wireless coupling.

5

26. A handheld electronic device according to Claim 24 wherein the processor displays the information on the local display of the handheld electronic device when no receiver is within range of the handheld electronic device.

10

27. A handheld electronic device according to Claim 24 wherein the transceiver transmits the information from the handheld electronic device according to a Bluetooth wireless protocol.

15

28. A handheld electronic device according to Claim 24 wherein the handheld electronic device comprises at least one selected from the group consisting of a radiotelephone and a personal digital assistant.

20

29. A handheld electronic device according to Claim 24 wherein the local display of the handheld electronic device is small relative to the video screen.

30. A method of displaying information on a video screen from a handheld electronic device including a display wherein the video screen is remote from the handheld electronic device, the method comprising:

25

providing information within the handheld electronic device;
communicating the information from the handheld electronic device to a receiver over a wireless coupling;
generating a video signal responsive to the information communicated over the wireless coupling;
providing the video signal to the remote video screen; and
displaying the information on the video screen.

30

31. A method according to Claim 30 wherein the information is communicated from the handheld electronic device to the receiver over the wireless coupling according to a Bluetooth wireless protocol.

32. A method according to Claim 30 wherein the handheld electronic device comprises at least one of a radiotelephone and a personal digital assistant.

5 33. A method of displaying information from an electronic device on a video screen remote from the electronic device, the method comprising the steps of:
 receiving information from the electronic device over a wireless coupling according to a Bluetooth protocol;
 responsive to receiving the information from the electronic device, converting
10 the information from the electronic device to a video signal; and
 providing the video signal to the remote video screen for display of the information on the remote video screen.

 34. A method according to Claim 33 wherein the video signal further
15 comprises at least one selected from the group consisting of a horizontal line sync pulse, a color reference burst, a reference black level, picture luminance information, color saturation information, color hue information, and a vertical sync pulse.

 35. A method according to Claim 33 wherein the video screen comprises a
20 television.